



1755

1028-001K

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT OPERATION

In re Application of:

Richard Sapienza et al.

Serial No.: 10/690,894

Group Art Unit: Not yet known.

Filed : October 22, 2003

Examiner: Not yet known.

For: ENVIRONMENTALLY BENIGN  
ANTI-ICING OR DEICING FLUIDS

New York, NY 10036  
January 22, 2004

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22213-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

The following statement of relevance is submitted with the accompanying Form  
PTO/SB/08A.

Document  
Designation

Relevance

AA  
(U.S. 6,544,434)

Relates to environmentally benign anti-icing or  
deicing fluids.

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on January 22, 2004

  
Alan B. Clement, Reg. No. 34,563

<b>AB</b> (U.S. 6,540,934)	Relates to corrosion inhibited runway deicing fluid.
<b>AC</b> (U.S. 6,440,325)	Relates to de-icing solution.
<b>AD</b> (U.S. 6,436,310)	Relates to deicing solution.
<b>AE</b> (U.S. 6,299,793)	Relates to deicing solution.
<b>AF</b> (U.S. 6,156,226)	Relates to liquid and solid deicing and anti-icing compositions and methods for making same.
<b>AG</b> (U.S. 6,149,834)	Relates to corrosion inhibited chloride salt de-icers.
<b>AH</b> (U.S. 6,129,857)	Relates to environmentally benign anti-icing or deicing fluids.
<b>AI</b> (U.S. 6,080,330)	Relates to anti-freezing and deicing composition and method.
<b>AJ</b> (U.S. 6,060,122)	Relates to corrosion protective cleaning agent for tin-plated steel.
<b>AK</b> (U.S. 5,980,774)	Relates to environmentally benign anti-icing or deicing agent.
<b>AL</b> (U.S. 5,965,058)	Relates to deicing composition and method.
<b>AM</b> (U.S. 5,942,481)	Relates to caustic cleaning composition having low freezing point.
<b>AN</b> (U.S. 5,922,240)	Relates to deicing composition and method.
<b>AO</b> (U.S. 5,891,225)	Relates to method for applying halide brines to surfaces.

<b>AP</b> (U.S. 5,876,621)	Relates to environmentally benign anti-icing or deicing fluids.
<b>AQ</b> (U.S. 5,849,356)	Relates to method for deicing highways using starch-containing compositions and starch-containing compositions especially designed for deicing highways.
<b>AR</b> (U.S. 5,819,776)	Relates to liquid de-icer production apparatus and method.
<b>AS</b> (U.S. 5,772,912)	Relates to environmentally friendly anti-icing.
<b>AT</b> (U.S. 5,718,834)	Relates to polymer-thickened deicing composition and anti-icing composition for aircraft.
<b>AU</b> (U.S. 5,709,813)	Relates to deicing composition and method.
<b>AV</b> (U.S. 5,709,812)	Relates to deicing composition and method.
<b>AW</b> (U.S. 5,639,319)	Relates to wheel with molasses ballast and method.
<b>AX</b> (U.S. 5,635,101)	Relates to deicing composition and method.
<b>AY</b> (U.S. 5,484,547)	Relates to low temperature heat transfer fluids.
<b>AZ</b> (U.S. 5,435,930)	Relates to deicer/ anti-icer compositions for aircraft.
<b>BA</b> (U.S. 5,395,658)	Relates to frost deicing salt-resistance of concrete constructions.
<b>BB</b> (U.S. 5,387,359)	Relates to alkaline earth metal potassium acetate, a process for its preparation and its use.

<b>BC</b> (U.S. 5,387,358)	Relates to alkaline earth metal sodium acetate, a process for its preparation and its use.
<b>BD</b> (U.S. 5,376,293)	Related to deicer.
<b>BE</b> (U.S. 5,350,533)	Related to pavement deicer compositions.
<b>BF</b> (U.S. 5,330,683)	Method of inhibiting corrosion in brine solutions.
<b>BG</b> (U.S. 5,324,442)	Relates to fermentation process for the production of calcium magnesium road deicer.
<b>BH</b> (U.S. 5,268,116)	Relates to non-flammable pseudo-plastic deicing composition.
<b>BI</b> (U.S. 5,244,600)	Relates to method of scavenging oxygen in aqueous systems.
<b>BJ</b> (U.S. 5,238,592)	Relates to liquid de-icing agent based on acetates and process for melting snow and ice on traffic surfaces with the aid of this agent.
<b>BK</b> (U.S. 5,135,674)	Relates to sodium chloride deicer composition having gelling agent additive to minimize spalling of concrete.
<b>BL</b> (U.S. 5,071,582)	Relates to coolant system cleaning solutions having silicate or siliconate-based corrosion inhibitors.
<b>BM</b> (U.S. 4,960,531)	Relates to ice melter comprising an alpha-methyl glucoside and method of making same.
<b>BN</b> (U.S. 4,954,279)	Relates to aircraft and anti-icing composition.
<b>BO</b> (U.S. 4,869,841)	Relates to process for the treatment of aqueous fluids to reduce corrosion comprising dicarboxylic aliphatic acid salt and polyol.

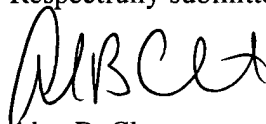
<b>BP</b> (U.S. 4,746,449)	Relates to deicing product obtained from pulp mill black liquor.
<b>BQ</b> (U.S. 4,676,918)	Relates to anti-freeze composition suitable for making surfaces free of snow and ice.
<b>BR</b> (U.S. 4,664,832)	Relates to deicing chemicals and their preparation from polysaccharide sources.
<b>BS</b> (U.S. 4,647,392)	Relates to mono-dibasic acid/salt anti-freeze corrosion inhibitor.
<b>BT</b> (U.S. 4,539,122)	Relates to corrosion inhibitor for heavy brines.
<b>BU</b> (U.S. 4,448,702)	Relates to freezing-point lowering composition and method.
<b>BV</b> (U.S. 4,329,449)	Relates to method of using recycled mother liquors to produce aldoses.
<b>BW</b> (U.S. 4,279,768)	Relates to service descaler for aqueous systems.
<b>BX</b> (U.S. 4,223,129)	Relates to continuous process for making alkyl aldoses from starch or other carbohydrates.
<b>BY</b> (U.S. 4,108,790)	Relates to corrosion inhibitor.
<b>BZ</b> (U.S. 3,711,409)	Relates to ice-preventive and deicing oil-in-water emulsion.
<b>CA</b> (U.S. 6,287,480)	Relates to deicing compositions and methods of use.
<b>CB</b> (U.S. 5,853,610)	Relates to antifreeze and de-icing agent, especially for the de-icing of surfaces.

<b>CC</b> (U.S. 4,759,864)	Relates to corrosion-inhibited antifreeze formulation.
<b>CD</b> (U.S. 4,501,775)	Relates to method for reducing the strength of ice.
<b>CE</b> (U.S. 4,426,409)	Relates to catatonic polymers for use in freeze protection of coals and minerals.
<b>CF</b> (U.S. 5,741,436)	Relates to antifreeze concentrates and compositions comprising neodecanoic acid corrosion inhibitors.
<b>CG</b> (U.S. 6,120,651)	Relates to method for removing water from an aqueous fluid mixture.
<b>CH</b> (U.S. 5,928,477)	Relates to method and apparatus for removing water from an aqueous fluid mixture.
<b>CI</b> (U.S. 5,904,321)	Relates to deicing fluid recovery system especially adapted for aircraft deicing apparatus.
<b>CJ</b> (U.S. 5,993,684)	Relates to composition and method for deicing and anti-icing surfaces.
<b>CK</b> (U.S. 5,708,068)	Relates to aircraft deicing/anti-icing fluids thickened by associative polymers.
<b>CL</b> (U.S. 5,531,931)	Relates to corrosion-inhibiting salt deicers.
<b>CM</b> (U.S. 6,156,227)	Relates to deicer composition which includes a plant material which his a corrosion inhibitor.
<b>CN</b> (U.S. 6,398,979)	Relates to deicer and pre-wetting agent.
<b>CO</b> (U.S. 6,478,971)	Relates to process for removing sulfate from aqueous salt solution.
<b>DA</b> (JP 02-202-574 w/ Abstract)	Relates to an antifreezing agent.

<b>DB</b> (JP 62-201566 w/ English translation of Abstract)	Relates to deicing agents for foods.
<b>DC</b> (GB 2001095 A)	Relates to deicing compositions for aerofoils
<b>DD</b> (GB 2050398 A)	Relates to polyethylene glycol based de-icing and anti-icing composition.
<b>DE</b> (WO 01/64811)	Relates to improved deicer and pre-wetting agent.
<b>DF</b> (WO 01/51584)	Relates to deicing compositions and methods of use.
<b>DG</b> (WO 01/07532)	Relates to deicing composition and method.
<b>EA</b> (Sieghardt)	Relates to potassium carbonate as an alternative deicer: impact on soil properties and vegetation.

Full text copies of the non U.S. prior art are enclosed herewith. It is respectfully requested that this art be considered by the Examiner in the above-entitled application and made of record therein. It is believed that no fee is required for submission of this Information Disclosure Statement under 37 C.F.R. §1.97(b). However, if a fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 08-1540.

Respectfully submitted,



Alan B. Clement  
Reg. No. 34,563

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PTO/SB/08A (08-00)  
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/690,894
				Filing Date	10/22/2003
				First Named Inventor	Richard Sapienza
				Group Art Unit	1755
				Examiner Name	Not yet known.
Sheet	1	of	5	Attorney Docket Number	1028-001K

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	AA	6,544,434		Sapienza et al.	04/08/2003	
	AB	6,540,934		Sapienza et al.	04/01/2003	
	AC	6,440,325		Hartley et al.	08/27/2002	
	AD	6,436,310		Hartley et al.	08/20/2002	
	AE	6,299,793		Hartley et al.	10/09/2001	
	AF	6,156,226		Klyosov et al.	12/05/2000	
	AG	6,149,834		Gall et al.	11/21/2000	
	AH	6,129,857		Sapienza	10/10/2000	
	AI	6,080,330		Bloomer	06/27/2000	
	AJ	6,060,122		Rossmair	05/09/2000	
	AK	5,980,774		Sapienza	11/09/1999	
	AL	5,965,058		Janke et al.	10/12/1999	
	AM	5,942,481		Talley	08/24/1999	
	AN	5,922,240		Johnson et al.	07/13/1999	
	AO	5,891,225		Mishra et al.	04/06/1999	
	AP	5,876,621		Sapienza	03/02/1999	
	AQ	5,849,356		Gambino et al.	12/15/1998	
	AR	5,819,776		Kephart	10/13/1998	
	AS	5,772,912		Lockyer et al.	06/30/1998	
	AT	5,718,834		Pollmann et al.	02/17/1998	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	DA		JP 02-202574		Iizuka	08/10/1990		
	DB		JP 62-201566		Yamane	09/05/1987		
	DC		GB 2001095 A		Sewell	01/24/1979		
	DD		GB 2050398 A		Sewell	01/07/1981		
	DE		WO 01/64811		Koefod	09/07/2001		
	DF		WO 01/51584		Berglund et al.	07/19/2001		
	DG		WO 01/07532		Bytnar	02/01/2001		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

5

**Complete if Known**

<b>Application Number</b>	10/690,894
<b>Filing Date</b>	10/22/2003
<b>First Named Inventor</b>	Richard Sapienza
<b>Group Art Unit</b>	1755
<b>Examiner Name</b>	Not yet known.
<b>Attorney Docket Number</b>	1028-001K

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date	
Considered	

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